

ABSTRACT

The present invention relates to a battery suitable for forming a battery pack and a battery pack having such a battery, wherein such a battery comprising: an electrode assembly (3) consisting of a positive electrode plate and a negative electrode plate, and a separator wound or laminated together, core materials of the negative and positive electrode plates being bared respectively at either end; a bottomed cylindrical outer case (2) having a bottom being connected to either end face of the electrode assembly (3) to serve as a battery terminal; electrolyte being impregnated in the electrode assembly (3); and a lid (4) connected to the other end face of the electrode assembly (3) and fixedly attached to the outer case (2) with sealing means and insulation means interposed therebetween.

Conventional batteries are connected together by using the connecting members separately of the battery's lid, thereby large number of components and assembling steps are required.

The present invention resolved the aforementioned problem by forming a connecting part (8) in one piece to the lid (4) so that the connecting part (8) engages with and connects a bottom part of the outer case (2) of another battery (1) to be connected.